

Appln No. 10/758,915

Amdt date December 19, 2005

Reply to Office action of September 26, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Previously presented) A two-component dental bleaching system wherein the components are adapted to be admixed and applied to the teeth from a dental tray for sustained contact, said system comprising:

as a first component, a dental peroxide gel comprising both carbamide peroxide and hydrogen peroxide; and

as a second component, an orally compatible activator gel wherein said 2-component bleaching system is activatable without the application of heat or radiant energy.

Claim 2. (Original) The dental bleaching system according to claim 1, wherein the first component includes hydroxypropyl cellulose.

Claim 3. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of at least about 10%, based on the total weight of said first component.

Claim 4. (Original) The dental bleaching system according to claim 1, wherein the first component comprises hydrogen peroxide at a weight percentage of at least about 0.5%, based on the total weight of the first component.

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Claim 5. (Original) The dental bleaching system according to claim 1, wherein the first component comprises hydrogen peroxide at a weight percentage of at least about 5%, based on the total weight of the first component.

Claim 6. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of at least about 16% and hydrogen peroxide at a weight percentage of at least about 1.5%, based on the total weight of the first component.

Claim 7. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage from about 10% to about 25% and hydrogen peroxide at a weight percentage from about 0.5% to about 10%, based on the total weight of the first component.

Claim 8. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at about 16% by weight and hydrogen peroxide at about 1.3% by weight, based on the total weight of the first component.

Claim 9. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at about 16% by weight and hydrogen peroxide at about 6% by weight, based on the total weight of the composition.

Claim 10. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of about 16% and hydrogen

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peroxide at a weight percentage of about 10%, based on the total weight of the composition.

Claim 11. (Original) The dental bleaching system according to claim 1, wherein the activator gel comprises sodium fluoride and potassium nitrate.

Claim 12. (Original) The dental bleaching system according to claim 1, wherein the activator gel comprises potassium nitrate and tetrapotassium pyrophosphate.

Claim 13. (Previously presented) A two-component dental bleaching system, wherein the components are adapted to be admixed and applied to the teeth from a dental tray for sustained contact, said system comprising:

as a first component, a dental peroxide gel comprising:

| | |
|--------------------------|-----------------|
| Propylene Glycol USP | - 41.9% by wt. |
| Hydroxypropyl Cellulose | - 1.98% by wt. |
| Glycerine | - 24.52% by wt. |
| Fumed Silica | - 4.5% by wt. |
| Carbamide Peroxide | - 16.2% by wt. |
| Emulsifying Wax | - 8.0% by wt. |
| Hydrogen Peroxide 50% CG | - 2.9% and |
| Antifoaming Agent | - q.s. |

Claim 14. (Previously presented) A two-component dental bleaching system, wherein the components are adapted to be admixed and applied to the teeth from a dental tray for sustained contact, said system comprising:

as a first component, a dental peroxide gel comprising:

| | |
|-------------------------|------------------|
| Propylene Glycol USP | - 33.0% by wt. |
| Hydroxypropyl Cellulose | - 1.980%; by wt. |

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| | |
|--------------------------|--------------------|
| Glycerin | - 26.02% by wt. |
| Fumed Silica | - 26.02% by wt. |
| Carbamide Peroxide | - 16.2% by wt. |
| Emulsifying Wax | - 6.5% by wt. |
| Hydrogen Peroxide 50% CG | - 11.8% by wt. and |
| Antifoaming Agent | - q.s. |

Claim 15. (Previously presented) A two-component dental bleaching system, wherein the components are adapted to be admixed and applied to the teeth from a dental tray for sustained contact, said system comprising:

as a first component, a dental peroxide gel comprising:

| | |
|--------------------------|--------------------|
| Propylene Glycol USP | - 33.0% by wt. |
| Hydroxypropyl Cellulose | - 1.98% by wt. |
| Glycerine | - 31.02% by wt. |
| Fumed Silica | - 4.5% by wt. |
| Carbamide Peroxide | - 16.2% by wt. |
| Emulsifying Wax | - 6.5% by wt. |
| Hydrogen Peroxide 50% CG | - 20.2% and by wt. |
| Antifoaming Agent | - q.s. |

Claim 16. (Previously presented) A two component tooth bleaching system comprising a dual barrel syringe wherein the first barrel contains a bleaching gel composition comprising carbamide peroxide and aqueous hydrogen peroxide in the absence of a radiant energy or heat energy activator substance and the second barrel contains an orally compatable activator gel.

Claim 17. (Previously presented) The two component tooth bleaching system according to claim 16, wherein the bleaching gel composition comprises carbamide peroxide at a weight

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percentage of at least about 10%, based on the total weight of the composition.

Claim 18. (Previously presented) The two component tooth bleaching system according to claim 16, wherein the bleaching gel composition comprises hydrogen peroxide at a weight percentage of at least about 0.5%, based on the total weight of the composition.

Claim 19. (Previously presented) The two component tooth bleaching system according to claim 16, wherein the composition comprises hydrogen peroxide at a weight percentage of at least about 5%, based on the total weight of the composition.

Claim 20. (Previously presented) The two component tooth bleaching system according to claim 16, wherein the composition comprises carbamide peroxide at a weight percentage of at least about 16% and hydrogen peroxide at a weight percentage of at least about 1.5%, based on the total weight of the composition.

Claim 21. (Currently amended) The two component tooth bleaching system ~~gel composition~~ according to claim 16, wherein the composition comprises carbamide peroxide at a weight percentage from about 10% to about 25% and hydrogen peroxide at a weight percentage from about 0.5% to about 10%, based on the total weight of the composition.

Claim 22. (Previously presented) The two component tooth bleaching system according to claim 16, wherein the composition comprises carbamide peroxide at about 16% by weight and hydrogen peroxide at about 1.3% by weight, based on the total weight of the composition.

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Claim 23. (Previously presented) The two component tooth bleaching system according to claim 16, wherein the composition comprises carbamide peroxide at about 16% by weight and hydrogen peroxide at about 6% by weight, based on the total weight of the composition.

Claim 24. (Previously presented) The two component tooth bleaching system gel composition according to claim 16, wherein the composition comprises carbamide peroxide at a weight percentage of about 16% and hydrogen peroxide at a weight percentage of about 10%, based on the total weight of the composition.

Claims 25 - 34 Canceled.